

## **Rocky Mountain College Aviation Program**

(The Mission, Vision and Values apply to all personnel associated with all aviation curriculum at RMC.)

**Mission:** To educate and train individuals to be professionals and leaders in the aviation industry.

**Vision:** To be the leader in Collegiate Aviation in the Western U.S., where our graduates are sought-after and where selective admissions and thoughtful growth insure high quality students who graduate at a rate well above that of a public university.

### **We Value...**

- safety as our #1 priority.
- the education of the whole person and the development of independent thought—all based on a strong foundation in the liberal arts.
- being on the leading edge of educational techniques, curriculum content and technology in collegiate aviation.
- the professional development of all students and employees. We'll teach and model professionalism throughout our program and help our employees grow.
- marketability of our graduates and flight instructors.
- efficient and cost-effective flight training.

### **Mission: Aeronautical Science Major**

The mission of the Rocky Mountain College Aeronautical Science major is to develop the next generation of highly qualified professional pilots to serve the aviation industry. Graduates will exhibit professionalism, leadership abilities, critical thinking skills and ethical decision-making.

### **Educational Goals: Aeronautical Science major**

1. Educate students with a firm foundation in the liberal arts that will help them to be leaders in the aviation industry with strong skills in communication and team work.
2. Instill professionalism and ethics expected by the aviation industry.
3. Develop graduates who exhibit strong aviation technical abilities.
4. Graduate students in four years with a commercial certificate with instrument and multi-engine ratings.

## **Student Learning Outcomes: Aeronautical Science Major**

Students who graduate with a major in aeronautical science will be able to:

### AABI Core Outcomes

1. Demonstrate attributes of an aviation professional, career planning, and understanding certification;
2. Demonstrate understanding of aircraft design, performance, operating characteristics, and maintenance;
3. Demonstrate understanding of aviation operations in terms of aviation safety and human factors;
4. Demonstrate understanding of national and international aviation law, regulations, and labor issues;
5. Demonstrate understanding of design and operations of airports, airspace, and the air traffic control system;
6. Demonstrate understanding of meteorology and environmental issues;

### AABI General Outcomes

7. Apply mathematics, science, and applied sciences to aviation-related disciplines;
8. Analyze and interpret data;
9. Work effectively on multi-disciplinary and diverse teams;
10. Make professional and ethical decisions;
11. Communicate effectively, using both written and oral communication skills;
12. Engage in and recognize lifelong learning;
13. Assess contemporary issues;
14. Use the techniques, skills, and modern technology necessary for professional practice;
15. Assess the national and international aviation environment;
16. Apply pertinent knowledge in identifying and solving problems;
17. Apply knowledge of business sustainability to aviation issues;

### AABI Program Criteria

18. Meet FAA commercial pilot standards, with instrument and multi-engine ratings, and demonstrate the ability to operate in a crew environment;

### Other Criteria

19. Demonstrate knowledge and application of aerodynamic principles.

## **Mission: Aviation Management Major**

The mission of the Rocky Mountain College Aviation Management major is to develop the next generation of aviation management professionals to serve the aviation industry. Graduates will

possess knowledge of the broad range of the aviation industry and exhibit professionalism, leadership abilities, critical thinking skills and ethical decision-making.

### **Educational Goals: Aviation Management major**

1. Educate students with a firm foundation in the liberal arts that will help them to be leaders in the aviation industry with strong skills in communication and team work.
2. Instill professionalism and ethics expected by the aviation industry.
3. Develop graduates who exhibit strong aviation management abilities.
4. Effectively apply management principles in traditional areas of business competition.

### **Student Learning Outcomes: Aviation Management Major**

Students who graduate with a major in aviation management will be able to:

#### AABI Core Outcomes

1. Demonstrate attributes of an aviation professional, career planning, and understanding of certification;
2. Demonstrate understanding of aircraft design, performance, operating characteristics, and maintenance;
3. Demonstrate understanding of aviation operations in terms of aviation safety and human factors;
4. Demonstrate understanding of national and international aviation law, regulations, and labor issues;
5. Demonstrate understanding of design and operations of airports, airspace, and the air traffic control system;
6. Demonstrate understanding of meteorology and environmental issues;

#### AABI General Outcomes

7. Apply mathematics, science, and applied sciences to aviation-related disciplines;
8. Analyze and interpret data;
9. Work effectively on multi-disciplinary and diverse teams;
10. Make professional and ethical decisions;
11. Communicate effectively, using both written and oral communication skills;
12. Engage in and recognize the need for lifelong learning;
13. Assess contemporary issues;
14. Use the techniques, skills, and modern technology necessary for professional practice;
15. Assess the national and international aviation environment;
16. Apply pertinent knowledge in identifying and solving problems;
17. Apply knowledge of business sustainability to aviation issues;

## AABI Program Criteria

18. Communicate the principles necessary to integrate as an employee at a fixed base operations company, an airline, and an airport